Title: Pre-Hospital Treatment of Organophosphate Poisonings: Guidelines and Clinical Effectiveness

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Research question:

1. What treatments are available in Canada for pre-hospital treatment of organophosphate poisonings?
2. What are the guidelines for pre-hospital treatment of patients with organophosphate poisonings?
3. How many organophosphate poisonings occur in Canada?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 2, 2007), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international HTA agencies, and a focused Internet search. Results include articles published between 2002 and the present, and are limited to English language publications only. Filters were applied to limit the retrieval to systematic reviews/HTA, economic, randomized controlled trials, and observational studies. Internet links are provided, where available.

Results:

The results are listed below and additional references of interest are included in the attached appendix. No relevant health technology assessments were identified in the literature search. No information was found on the number of organophosphate poisonings in Canada. Please note that not all documents listed in this report specify if treatment is pre-hospital.
Health technology assessments

No literature identified

Systematic reviews and meta-analyses


Randomized controlled trials


Observational studies


Guidelines and recommendations


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Appendix – Further information:

Review articles


Note: Includes information on frequency of poisonings in the US.


Additional references


Note: See “Atropine sulfate” p. 5, 41; “Pralidoxime” p. 43


*Note*: See section, “How is overexposure to malathion treated,” p. 81